

Reply to Office Action dated September 21, 2007

REMARKS

Claims 5-9, 18 and 30-36 are pending in this application. By this Amendment, claims are amended. Various amendments are made for clarity and are unrelated to issues of patentability.

Entry of the amendments is proper under 37 C.F.R. §1.116 because the amendments: (1) place the application in condition for allowance; (2) do not raise any new issues requiring further search and/or consideration; and/or (3) place the application in better form for appeal, should an appeal be necessary. More specifically, the above amendments are merely for clarity of previously claimed subject matter. Entry is thus proper under 37 C.F.R. §1.116.

The Office Action rejects claim 9 under 35 U.S.C. §112, second paragraph. It is respectfully submitted that the above amendment to claim 9 obviates the grounds for rejection. Withdrawal of the rejection is respectfully requested.

The Office Action also rejects claims 5-9, 18 and 36 under 35 U.S.C. §112, first paragraph, as failing to comply with the written description requirement. It is respectfully submitted that the above amendments obviate the grounds for rejection. The Office Action (on page 4) states that the specification states that information provided by the local content provider includes "information effective only in the region." Accordingly, independent claim 5 is amended to recite "information effective only in the corresponding region." Independent claim 36 includes a similar feature. Independent claim 18 recites that the local CP network transmitting the data relating to the region entered by the owner of the mobile phone. Independent claims 5, 18 and 36 therefore do not include the alleged negative limitations discussed in the Office

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Action. Applicants respectfully submit that the specification adequately describes the features of independent claims 5 and 36 to convey that one skilled in the art had possession of the claimed invention. Withdrawal of the rejection is respectfully requested.

The Office Action rejects claims 5-9, 18 and 30-36 under 35 U.S.C. §102(e) over U.S. Patent 5,959,577 to Fan et al. (hereafter Fan). The rejection is respectfully traversed with respect to the pending claims.

Independent Claims 5, 18 and 36

Fan does not teach or suggest all the features of independent claim 5. More specifically, Fan does not teach or suggest connecting to the Internet by a client using a mobile phone of the client, the connection being to a server network, and collecting special information required for supply of traffic information in a region through a local content provider network constructed in the region and where the local content provider network providing information effective only in the corresponding region, as recited in independent claim 5. That is, Fan does not teach or suggest features relating to connections with a server network and a local content provider network where the local content provider network providing information effective only in the corresponding region and the local content provider network being a different network than the server network. Fan's data processing station 18 does not teach or suggest a local content provider network providing information effective only in the corresponding region. Fan does not suggest the claimed local content provider network.

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Additionally, Fan does not teach or suggest transmitting the collected information from the local content provider network over the Internet to the client's mobile phone (where the local content network provider is different than the server network). The Office Action (on page 14) states that because networks are all connected, the networks are all actually one network. However, independent claim 5 specifically recites the local content provider network being a different network than the server network. Fan does not teach or suggest these features as Fan merely discloses a data processing station 18 within a data network 27.

Fan also does not teach or suggest connecting to the Internet by a client, the connection being to a server network, collecting the special information through a local content provider network and transmitting the collected information from the local content provider network over the Internet, the local content provider network being a different network than the server network.

The Office Action (on page 14) states that Fan's col. 3, line 10-col. 4, line 65 discloses a link to a service connection. However, the cited section merely states that a data processing unit 38, which handles computation at the data processing station 18, can connect to correction stations 37 via wired links, wireless links or via data networks (such as the data network 27). This does not teach or suggest the features discussed above with respect to the local content provider network and the server network.

For at least these reasons, Fan does not teach or suggest all the features of independent claim 5. Thus, independent claim 5 defines patentable subject matter.

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Independent claim 18 recites connecting to the Internet by an owner using a mobile phone of the owner, the connection being to a server network on the Internet, and requesting special information within a region by the owner of the mobile phone entering the region, the request being to the server network through the Internet connection using the mobile phone through a base station. Independent claim 18 also recites receiving the request for special information through the server network from the mobile phone, and confirming the present position of the owner's mobile phone by the server network by confirming the base station through which the mobile phone is connected through a channel connected with the mobile phone. Independent claim 18 also recites searching for the requested special information at a local content provider (CP) network from information stored on the basis of information received from the server network. Still further, independent claim 18 also recites transmitting data of the requested special information to the local CP network, and transmitting the data of the requested special information from the local CP network to the mobile phone via the Internet, the local CP network transmitting the data relating to the region entered by the owner of the mobile phone, and the local CP network being a different network than the server network.

For at least similar reasons as set forth above, Fan does not teach or suggest at least these features of independent claim 18. Fan does not teach or suggest transmitting the data from the local CP network in combination with the local CP network transmitting the data relating to the region entered by the owner of the mobile phone, and the local CP network being a different

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network than the server network. Fan does not teach or suggest the claimed method relating to a local content provider network and a server network, wherein the local CP network being a different network than the server network. Thus, Fan does not teach or suggest all the features of independent claim 18. Thus, independent claim 18 defines patentable subject matter.

Independent claim 36 recites registering a location of a mobile phone of a user and continuously confirming a present location of the user by identifying a base station through which the mobile phone of the user is currently connected. Independent claim 36 also recites requesting special information within a region by the user of the mobile phone entering the region, the request being through an Internet connection to a server network using the mobile phone. Also, independent claim 36 recites receiving the request for special information at the server network from the mobile phone, and confirming the present location of the user's mobile phone by the server network by confirming the base station through which the mobile phone is connected. Independent claim 36 also recites searching for the requested special information at a local content provider (CP) network from information stored on the basis of information received at the server network, transmitting data of the requested special information to the local CP network, and connecting the mobile phone to the local CP network. Independent claim 36 also recites transmitting the data of the requested special information from the local CP network to the mobile phone via the Internet, wherein the special information comprises information effective only in the corresponding region and the local CP network being a different network than the server network.

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For at least similar reasons as set forth above, Fan does not teach or suggest at least these features of independent claim 36. For example, Fan does not teach or suggest requesting the special information wherein the special information comprises information effective only in the corresponding region. Fan also does not suggest the claimed local CP network and the claimed server network where the local CP network is a different network than the server network. Thus, Fan does not teach or suggest all the features of independent claim 36. Thus, independent claim 36 defines patentable subject matter.

Independent claims 30 and 32

Independent claim 30 recites position confirming means for detecting a present position of the client by confirming a base station through which the mobile phone is connected through a channel connected with the mobile phone. Independent claim 30 also recites time measuring means for counting time exceeding the critical value from the standard location registered by the client, and information obtaining means for obtaining information of services set according to the difference in time and space determined by the position confirming means and the time measuring means.

Fan does not teach or suggest at least these features of independent claim 30. More specifically, the Office Action (on page 9) asserts that Fan's col. 4, lines 55-65 corresponds to the claimed time measuring means for counting time exceeding the critical value from the standard location registered by the client. However, as one non-limiting example, see paragraphs [0179]-[0183] and FIG. 20 of the present specification relating to time exceeding a critical value. The

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cited section of Fan merely relates to a position table 33 that stores positions of the mobile units at particular times 162. See FIG. 7. This does not teach or suggest counting time exceeding a critical value from a standard location. Stated differently, Fan's predetermined times 162 do not teach or suggest counting time exceeding a critical value from a standard location registered by a client.

The Office Action (on page 9) cites Fan's col. 2, line 60-col. 3, line 60 for features relating to the information obtaining means. However, this cited section does not teach or suggest information obtaining means for obtaining information of services set according to the difference in time and space determined by the position confirming means and the time measuring means. Fan does not teach or suggest obtaining information according to a difference in time and space. Fan does not disclose the features relating to a difference in time. Fan also does not teach or suggest a database storing information of a critical value of a difference in time and space from a standard location, as recited in independent claim 30.

The Office Action (on page 14) states that the cited section of Fan discloses the components for performing the claimed means. Applicants respectfully submit that Fan does not teach or suggest the function recited in the "time measuring means" and the function recited in the "information obtaining means." The Office Action has not cited or shown any device or component that teaches or suggests "counting time exceeding a critical value from a standard location registered by a client." Additionally, the Office Action has not cited or shown any device or component that teaches or suggests "obtaining information of services set according to

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the difference in time and space determined by the position confirming means and the time measuring means.” Fan’s alleged disclosure at col. 3, line 10-col. 4, line 65 of sending new maps to an individual once a positional change information has reached a specific critical point does not suggest a difference in time and space.

Accordingly, Fan does not teach or suggest all the features of independent claim 30. Thus, independent claim 30 defines patentable subject matter.

Independent claim 32 recites confirming a difference in time and space between the confirmed present position of the client and an initially registered standard location, and performing a service set according to an exceeded difference if the confirmed difference in time and space exceeds a critical value of a set difference in time and space, the service set being performed over the Internet to the mobile phone.

Fan does not teach or suggest at least these features of independent claim 32. More specifically, the Office Action (on page 11) cites Fan’s col. 6, lines 49-61 for features of confirming a difference in time and space between the confirmed present position of the client and an initially registered standard location. However, the cited section does not teach or suggest confirming a difference in time and space. Further, the cited section does not teach or suggest confirming a difference in time and space between the confirmed present position of the client and an initially registered standard location. Rather, the cited section relates to a new location of a vehicle being outside a boundary of an area map.

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Furthermore, the Office Action asserts that Fan's col. 6, lines 49-61 teaches the claimed performing a service set according to an exceeded difference if the confirmed difference in time and space exceeds a critical value of a set difference in time and space. However, the cited section does not teach or suggest a confirmed difference in time and space exceeding a critical value of a set difference in time and space. The cited section also does not teach or suggest performing a service set according to an exceeded difference.

For at least the reasons set forth above, Fan does not teach or suggest all the features of independent claim 32. Accordingly, independent claim 32 defines patentable subject matter.

Summary

For at least the reasons set forth above, each of independent claims 5, 18, 30, 32 and 36 defines patentable subject matter. Each of the dependent claims depends from one of the independent claims and therefore defines patentable subject matter at least for this reason. In addition, the dependent claims recite features that further and independently distinguish over the applied references.

CONCLUSION

In view of the foregoing, it is respectfully submitted that the application is in condition for allowance. Favorable consideration and prompt allowance of claims 5-9, 18 and 30-36 are earnestly solicited. If the Examiner believes that any additional changes would place the

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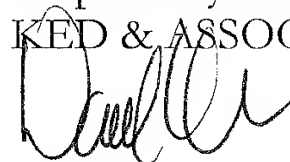
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application in better condition for allowance, the Examiner is invited to contact the undersigned attorney at the telephone number listed below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,
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